9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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KD-Validated Anti-Cyclin dependent kinase inhibitor 1B Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

ABG2355

Product Overview

Name	KD-Validated Anti-Cyclin dependent kinase inhibitor 1B Rabbit Monoclonal Antibody
Accession(Primary)	P46527
Host Species	Rabbit
Clonality	Monoclonal
Isotype	Rabbit IgG
Immunogen	A synthesized peptide derived from human p27 KIP 1
Species Reactivity	Human, Mouse, Rat
Calculated MW	Predicted, 22 kDa ; Observed, 27 kDa
Storage Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Recommended Dilution	Western blotting (WB): 1:1,000-1:5,000 Flow Cytometry(FCM): 1:2,000 Immunocytochemistry (IC): 1:1,000

Target information (P46527)

Gene Name	CDKN1B
About Gene Symbol	CDKN1B (Cyclin Dependent Kinase Inhibitor 1B) is a protein kinase and signaling regulator involved in cell cycle regulation. It is an important research target in cancer, cell signaling, and therapeutic target research and is widely studied to elucidate cellular mechanisms and identify therapeutic targets.

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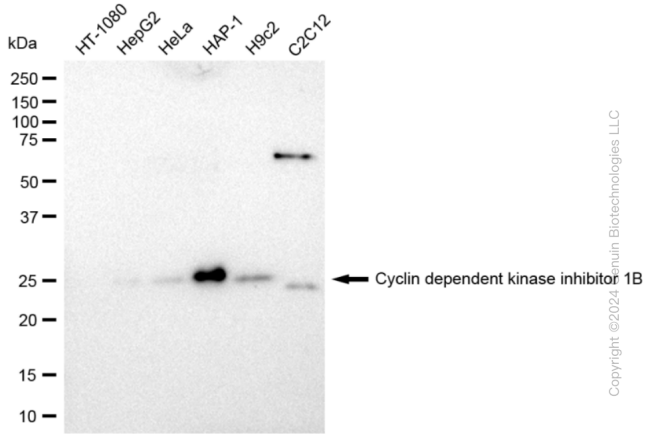

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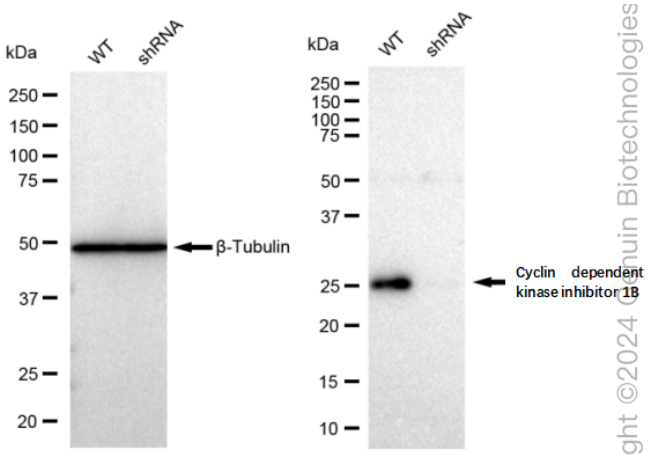
Western blotting analysis using anti-Cyclin dependent kinase inhibitor 1B antibody (Cat#ABG2355). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Cyclin dependent kinase inhibitor 1B antibody (Cat#ABG2355, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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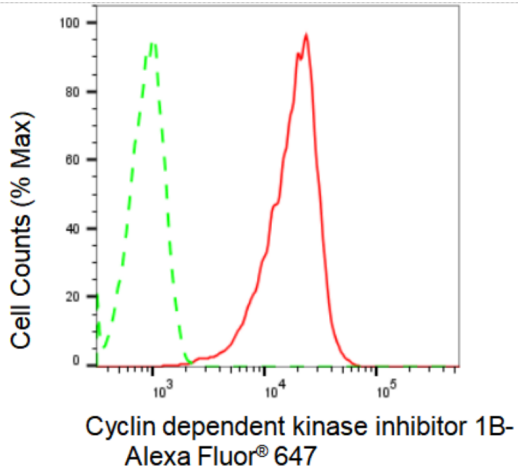
Western blotting analysis using anti-Cyclin dependent kinase inhibitor 1B antibody (Cat#ABG2355). Cyclin dependent kinase inhibitor 1B expression in wild type (WT) and cyclin dependent kinase inhibitor 1B shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. β-Tubulin serves as a loading control. The blot was incubated with anti-Cyclin dependent kinase inhibitor 1B antibody (Cat#ABG2355, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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Flow cytometric analysis of Cyclin dependent kinase inhibitor 1B expression in HAP-1 cells using Cyclin dependent kinase inhibitor 1B antibody (Cat#ABG2355, 1:2,000). Green, isotype control; red, Cyclin dependent kinase inhibitor 1B.

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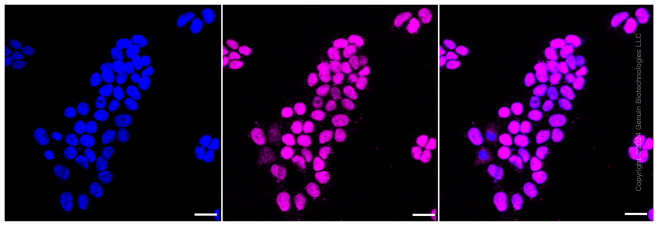

Immunocytochemical staining of HAP-1 cells with Cyclin dependent kinase inhibitor 1B antibody (Cat#ABG2355, 1:1,000). Nuclei were stained blue with DAPI; Cyclin dependent kinase inhibitor 1B was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Medium. Scale bar: 20 µm.